

# WEST Search History





DATE: Thursday, July 06, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L18	L17 and beta\$4	20
<input type="checkbox"/>	L17	L16 and crystal\$7	20
<input type="checkbox"/>	L16	L15 and (gsk\$5 or (glycog\$4 same syntha\$4 same kinas\$4))	29
<input type="checkbox"/>	L15	(Harrison or hall or calderon\$8 or zhong or fang or coit or nguyen or medina\$7).in. and (polypept\$5 or protei\$4).clm.	1133
<input type="checkbox"/>	L14	(polypept\$5 or protei\$4).clm. and l13	21
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L13	L12 and beta\$4	38
<input type="checkbox"/>	L12	L11 and crystal\$6	38
<input type="checkbox"/>	L11	L9 and (trunc\$6 or varian\$6)	57
<input type="checkbox"/>	L10	l7 and (Harrison or hall or calderon\$8 or zhong or fang or coit or nguyen or medina\$7).in.	1
<input type="checkbox"/>	L9	L1 and (Harrison or hall or calderon\$8 or zhong or fang or coit or nguyen or medina\$7).in.	92
<input type="checkbox"/>	L8	l1 and chiron\$6.asn.	53
<input type="checkbox"/>	L7	L5 same crystal\$8	21
<input type="checkbox"/>	L6	l5 same cryst\$8	21
<input type="checkbox"/>	L5	l4 same beta\$4	416
<input type="checkbox"/>	L4	L3 same (huma\$4 or sapie\$4)	777
<input type="checkbox"/>	L3	gsk\$4 or (glycog\$4 same syntha\$4 same kinas\$4)	3004
<input type="checkbox"/>	L2	L1 same (human\$4 or sapie\$4)	796
<input type="checkbox"/>	L1	GSK\$4 OR (GLYCOG\$4 same SYNTH\$4 same KINASS\$4)	3327

END OF SEARCH HISTORY

=> d his full

(FILE 'HOME' ENTERED AT 15:01:56 ON 06 JUL 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:02:15 ON 06 JUL 2006  
SEA GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

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59 FILE ADISCTI  
142 FILE ADISINSIGHT  
64 FILE ADISNEWS  
143 FILE AGRICOLA  
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7 FILE KOSMET  
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3411 FILE MEDLINE  
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1009 FILE PHARMAML  
27 FILE PHIC  
1660 FILE PHIN  
4368 FILE PROMT  
815 FILE PROUSSDDR  
1 FILE PS  
4543 FILE SCISEARCH  
19 FILE SYNTHLINE  
1899 FILE TOXCENTER  
2714 FILE USPATFULL  
350 FILE USPAT2  
1 FILE VETU  
1 FILE WATER

526 FILE WPIDS  
28 FILE WPIFV  
526 FILE WPINDEX  
13 FILE IPA  
5 FILE NAPRALERT  
1164 FILE NLDB  
L1 QUE GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

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D RANK

FILE 'SCISEARCH, BIOSIS, PROMT, CAPLUS, MEDLINE, EMBASE, USPATFULL,  
ESBIOBASE, DRUGMONOG2, TOXCENTER' ENTERED AT 15:06:13 ON 06 JUL 2006  
L2 33311 SEA GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)  
L3 3685 SEA L2 (S)(HUMA? OR SAPIE?)  
L4 1732 SEA L3 (S)(BETA?)  
L5 103 SEA L4 (S)(TRUNC? OR VARIAN?)  
L6 14 SEA L5 (S) CRYST?  
L7 14 DUP REM L6 (0 DUPLICATES REMOVED)  
D TI L7 1-16  
L8 70 SEA L4(S) CRYST?  
L9 54 DUP REM L8 (16 DUPLICATES REMOVED)  
D TI L9 1-54  
D IBIB ABS L9 32 35 42 44 49 53

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/Caplus enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/Caplus and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/Caplus  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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\*\*\*\*\*  
\* Due to scheduled maintenance of STN on Sunday, July 9, 2006, \*  
\* some databases may not be available until 04:00 (4:00 AM) \*  
\* Eastern Daylight Time. \*  
\*\*\*\*\*

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:01:56 ON 06 JUL 2006

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:02:15 ON 06 JUL 2006

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s gsk? or (glycog? (s) synth? (s) kinas?)

59	FILE ADISCTI
142	FILE ADISINSIGHT
64	FILE ADISNEWS
143	FILE AGRICOLA
9	FILE ANABSTR
9	FILE ANTE
2	FILE AQUALINE
97	FILE AQUASCI
102	FILE BIOENG
4378	FILE BIOSIS
143	FILE BIOTECHABS
143	FILE BIOTECHDS
1285	FILE BIOTECHNO
277	FILE CABA
4317	FILE CAPLUS
5	FILE CEABA-VTB

16 FILES SEARCHED...

794	FILE CIN
94	FILE CONFSCI
33	FILE DDFB
405	FILE DDFU

22 FILES SEARCHED...

3508	FILE DGENE
249	FILE DISSABS
33	FILE DRUGB
1920	FILE DRUGMONOG2
600	FILE DRUGU

27 FILES SEARCHED...

143	FILE EMBAL
3334	FILE EMBASE
2427	FILE ESBIODBASE
11	FILE FOMAD
7	FILE FROSTI
12	FILE FSTA
11420	FILE GENBANK
545	FILE IFIPAT
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1191	FILE LIFESCI
3411	FILE MEDLINE
28	FILE NTIS
22	FILE NUTRACEUT
8	FILE OCEAN
1252	FILE PASCAL

48 FILES SEARCHED...

470	FILE PHAR
1009	FILE PHARMAML
27	FILE PHIC
1660	FILE PHIN
4368	FILE PROMT

815 FILE PROUSDDR  
 1 FILE PS  
 4543 FILE SCISEARCH  
 19 FILE SYNTHLINE  
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 2714 FILE USPATFULL  
 350 FILE USPAT2  
 1 FILE VETU  
 1 FILE WATER  
 65 FILES SEARCHED...  
 526 FILE WPIDS  
 28 FILE WPIFV  
 526 FILE WPINDEX  
 13 FILE IPA  
 5 FILE NAPRALERT  
 1164 FILE NLDB

64 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

=> d rank

F1	11420	GENBANK
F2	4543	SCISEARCH
F3	4378	BIOSIS
F4	4368	PROMT
F5	4317	CAPLUS
F6	3508	DGENE
F7	3411	MEDLINE
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F11	1920	DRUGMONOG2
F12	1899	TOXCENTER
F13	1660	PHIN
F14	1285	BIOTECHNO
F15	1252	PASCAL
F16	1191	LIFESCI
F17	1164	NLDB
F18	1009	PHARMAML
F19	815	PROUSDDR
F20	794	CIN
F21	600	DRUGU
F22	545	IFIPAT
F23	526	WPIDS
F24	526	WPINDEX
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F26	405	DDFU
F27	350	USPAT2
F28	277	CABA
F29	249	DISSABS
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F33	143	BIOTECHDS
F34	143	EMBAL
F35	142	ADISINSIGHT
F36	102	BIOENG
F37	97	AQUASCI
F38	94	CONFSCI
F39	88	IMSPRODUCT
F40	64	ADISNEWS
F41	59	ADISCTI
F42	58	IMS DRUGNEWS
F43	37	IMSRESEARCH

F44	33	DDFB
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F46	28	NTIS
F47	28	WPIFV
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F49	22	NUTRACEUT
F50	19	SYNTHLINE
F51	13	IPA
F52	12	FSTA
F53	11	FOMAD
F54	9	ANABSTR
F55	9	ANTE
F56	8	OCEAN
F57	7	FROSTI
F58	7	KOSMET
F59	5	CEABA-VTB
F60	5	NAPRALERT
F61	2	AQUALINE
F62	1	PS
F63	1	VETU
F64	1	WATER

=> file f2-f5, f7-f12

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.27

4.48

FILE 'SCISEARCH' ENTERED AT 15:06:13 ON 06 JUL 2006

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FILE 'CAPLUS' ENTERED AT 15:06:13 ON 06 JUL 2006

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=> s gsk? or (glycog? (s) synth? (s) kinas?)

L2 33311 GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

=> s l2 (s) (huma? or sapie?)

L3 3685 L2 (S) (HUMA? OR SAPIE?)

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=> s 13 (s) (beta?)
L4      1732 L3 (S) (BETA?)

=> s 14 (s) (trunc? or varian?)
L5      103 L4 (S) (TRUNC? OR VARIAN?)

=> s 15 (s) cryst?
L6      14 L5 (S) CRYST?

=> dup rem 16
DUPLICATE IS NOT AVAILABLE IN 'DRUGMONOG2'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7      14 DUP REM L6 (0 DUPLICATES REMOVED)

=> d ti 17 1-16

L7      ANSWER 1 OF 14  USPATFULL on STN
TI      Non-steroidal farnesoid x receptor modulators and methods for the use
        thereof

L7      ANSWER 2 OF 14  USPATFULL on STN
TI      Identification of novel factors that block programmed cell death or
        apoptosis by targeting JNK

L7      ANSWER 3 OF 14  USPATFULL on STN
TI      Identification of novel factors that block programmed cell death or
        apoptosis by targeting JNK

L7      ANSWER 4 OF 14  USPATFULL on STN
TI      Coupled two-way clustering analysis of data .

L7      ANSWER 5 OF 14  USPATFULL on STN
TI      Novel methods of diagnosis of metastatic cancer, compositions and
        methods of screening for modulators of metastatic cancer

L7      ANSWER 6 OF 14  USPATFULL on STN
TI      Electromagnetic activation of gene expression and cell growth

L7      ANSWER 7 OF 14  USPATFULL on STN
TI      Methods for identifying and using maintenance genes

L7      ANSWER 8 OF 14  USPATFULL on STN
TI      Methods for identifying and using maintenance genes

L7      ANSWER 9 OF 14  USPATFULL on STN
TI      Targets for therapeutic intervention identified in the mitochondrial
        proteome

L7      ANSWER 10 OF 14  USPATFULL on STN
TI      Novel compounds

L7      ANSWER 11 OF 14  USPATFULL on STN
TI      Gene expression in bladder tumors

L7      ANSWER 12 OF 14  USPATFULL on STN
TI      Breast cancer progression signatures

L7      ANSWER 13 OF 14  USPATFULL on STN
TI      Nucleic acid sequences associated with baldness

L7      ANSWER 14 OF 14  Elsevier BIOBASE  COPYRIGHT 2006 Elsevier Science B.V.
        on STN
TI      Structural basis of the Axin-adenomatous polyposis coli interaction

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=> s 14(s)cryst?

L8 70 L4(S) CRYST?

=> dup rem 18

DUPLICATE IS NOT AVAILABLE IN 'DRUGMONOG2'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L8

L9 54 DUP REM L8 (16 DUPLICATES REMOVED)

=> d ti 19 1-54

L9 ANSWER 1 OF 54 USPATFULL on STN

TI Non-steroidal farnesoid x receptor modulators and methods for the use thereof

L9 ANSWER 2 OF 54 USPATFULL on STN

TI Pi3k antagonists as radiosensitizers

L9 ANSWER 3 OF 54 USPATFULL on STN

TI Glycogen synthase kinase-3 inhibitors

L9 ANSWER 4 OF 54 USPATFULL on STN

TI Dual expression vector system and screening methods

L9 ANSWER 5 OF 54 USPATFULL on STN

TI Identification of tissue/cell specific marker genes and use thereof

L9 ANSWER 6 OF 54 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on  
STN DUPLICATE 1

TI Triazolo[1,5-a]pyrimidines as novel CDK2 inhibitors: Protein  
structure-guided design and SAR

L9 ANSWER 7 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

TI Crystal structure of human protein kinase Akt-1 catalytic domain and use  
in structure-based drug design

L9 ANSWER 8 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

TI Crystal structure of human PIM-1 kinase and use of structural information  
for preparation of molecular scaffolds for kinase ligand development and  
pharmaceutical applications

L9 ANSWER 9 OF 54 USPATFULL on STN

TI Identification of novel factors that block programmed cell death or  
apoptosis by targeting JNK

L9 ANSWER 10 OF 54 USPATFULL on STN

TI Identification of novel factors that block programmed cell death or  
apoptosis by targeting JNK

L9 ANSWER 11 OF 54 USPATFULL on STN

TI Coupled two-way clustering analysis of data .

L9 ANSWER 12 OF 54 USPATFULL on STN

TI AMP-activated protein kinase (AMPK) inhibitor screening assay

L9 ANSWER 13 OF 54 USPATFULL on STN

TI Method of detecting and treating tuberous sclerosis complex associated  
disorders

L9 ANSWER 14 OF 54 USPATFULL on STN

TI Novel methods of diagnosis of metastatic cancer, compositions and  
methods of screening for modulators of metastatic cancer

L9 ANSWER 15 OF 54 USPATFULL on STN

TI Catalytic efficiency and/or specificity of non-native substrates of enzymes  
 L9 ANSWER 16 OF 54 USPATFULL on STN  
 TI Single nucleotide polymorphisms predicting adverse drug reactions and medication efficacy  
 L9 ANSWER 17 OF 54 USPATFULL on STN  
 TI Stabilized proteins  
 L9 ANSWER 18 OF 54 USPATFULL on STN  
 TI Electromagnetic activation of gene expression and cell growth  
 L9 ANSWER 19 OF 54 USPATFULL on STN  
 TI Methods for identifying and using maintenance genes  
 L9 ANSWER 20 OF 54 USPATFULL on STN  
 TI Methods for identifying and using maintenance genes  
 L9 ANSWER 21 OF 54 USPATFULL on STN  
 TI Characterization of the gsk-3beta protein and methods of use thereof  
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 TI Targets for therapeutic intervention identified in the mitochondrial proteome  
 L9 ANSWER 23 OF 54 USPATFULL on STN  
 TI Novel compounds  
 L9 ANSWER 24 OF 54 USPATFULL on STN  
 TI Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer  
 L9 ANSWER 25 OF 54 USPATFULL on STN  
 TI Gene expression in bladder tumors  
 L9 ANSWER 26 OF 54 USPATFULL on STN  
 TI Breast cancer progression signatures  
 L9 ANSWER 27 OF 54 USPATFULL on STN  
 TI Single nucleotide polymorphisms in genes  
 L9 ANSWER 28 OF 54 USPATFULL on STN  
 TI DNA array sequence selection  
 L9 ANSWER 29 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2  
 TI Structural insight into nucleotide recognition in tau-protein kinase I/glycogen synthase kinase 3β  
 L9 ANSWER 30 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3  
 TI Plasmodium falciparum glycogen synthase kinase-3: molecular model, expression, intracellular localization and selective inhibitors  
 L9 ANSWER 31 OF 54 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN  
 TI Intrasteric control of AMPK via the γ.sub.1 subunit AMP allosteric regulatory site  
 L9 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Crystal structure of human glycogen synthase kinase 3β (GSK3. beta.) ternary complex and use of the GSK3. beta . three-dimensional structure for drug discovery  
 L9 ANSWER 33 OF 54 USPATFULL on STN

TI Anti-aging nucleic acid and protein targets

L9 ANSWER 34 OF 54 USPATFULL on STN

TI Methods and compositions for diagnosing and treating rheumatoid arthritis

L9 ANSWER 35 OF 54 USPATFULL on STN

TI Inhibitors of GSK-3 and crystal structures of GSK-3 protein and protein complexes

L9 ANSWER 36 OF 54 USPATFULL on STN

TI Method of detecting and treating Tuberous Sclerosis Complex associated disorders

L9 ANSWER 37 OF 54 USPATFULL on STN

TI Blood assessment of injury

L9 ANSWER 38 OF 54 USPATFULL on STN

TI Basal cell markers in breast cancer and uses thereof

L9 ANSWER 39 OF 54 USPATFULL on STN

TI Human genes and gene expression products

L9 ANSWER 40 OF 54 USPATFULL on STN

TI Particles with improved solubilization capacity

L9 ANSWER 41 OF 54 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V. on STN

TI Structural Insights and Biological Effects of Glycogen Synthase Kinase 3-specific Inhibitor AR-A014418

L9 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4

TI Crystal structure of human glycogen synthase kinase 3 $\beta$  (GSK-3. beta.) and GSK-3 $\beta$  complexed with a peptide and application to drug design

L9 ANSWER 43 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

TI Preparation of 3-aminopyrazolo[3,4-c]pyridazines as inhibitors of glycogen synthase kinase-3 and crystal structures of gsk-3 $\beta$  protein and protein complexes

L9 ANSWER 44 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

TI Crystallization and crystal structure of human glycogen synthase kinase 3 $\beta$  protein and methods of use thereof

L9 ANSWER 45 OF 54 USPATFULL on STN

TI Nucleic acid sequences associated with baldness

L9 ANSWER 46 OF 54 USPATFULL on STN

TI Gene expression profiles in liver cancer

L9 ANSWER 47 OF 54 USPATFULL on STN

TI Expressed sequences of arabidopsis thaliana

L9 ANSWER 48 OF 54 USPATFULL on STN

TI Expressed sequences of arabidopsis thaliana

L9 ANSWER 49 OF 54 PROMT COPYRIGHT 2006 Gale Group on STN

TI Vertex Researchers Solve 3-D Atomic Structure of GSK3 beta Enzyme, Potential Target for New Diabetes Treatments.

L9 ANSWER 50 OF 54 PROMT COPYRIGHT 2006 Gale Group on STN

TI [0] Manufacturers.

L9 ANSWER 51 OF 54 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on  
STN DUPLICATE 5

TI Crystal structure of glycogen synthase kinase 3 beta: Structural basis for  
phosphate-primed substrate specificity and autoinhibition

L9 ANSWER 52 OF 54 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN

TI Structural basis of the Axin-adenomatous polyposis coli interaction

L9 ANSWER 53 OF 54 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on  
STN DUPLICATE 6

TI Expression, purification and crystallization of human  
tau-protein kinase I/glycogen synthase  
kinase-3 beta

L9 ANSWER 54 OF 54 Elsevier BIOBASE COPYRIGHT 2006 Elsevier Science B.V.  
on STN

TI Inhibition of cyclin-dependent kinases, GSK-3 $\beta$  and CK1 by  
hymenialdisine, a marine sponge constituent

=> d ibib abs 19 32 35 42 44 49 53

L9 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:656890 CAPLUS

DOCUMENT NUMBER: 139:193628

TITLE: Crystal structure of human  
glycogen synthase kinase  
3 $\beta$  (GSK3 $\beta$ )  
ternary complex and use of the GSK3.  
beta. three-dimensional structure for drug  
discovery

INVENTOR(S): Bussiere, Dirksen E.; Le Vincent, P.

PATENT ASSIGNEE(S): Chiron Corporation, USA

SOURCE: PCT Int. Appl., 337 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003068932	A2	20030821	WO 2003-US4456	20030211
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2005532265	T2	20051027	JP 2003-568047	20030211
PRIORITY APPLN. INFO.:			US 2002-355916P	P 20020211
			WO 2003-US4456	W 20030211

AB The invention provides the three-dimensional structure of a construct of  
human glycogen synthase kinase 3 (GSK3); crystals of a ternary GSK3 complex  
including a construct of human glycogen  
synthase kinase 3- $\beta$  (GSK3-).

beta.) containing the protein's catalytic kinase domain, ADP and a phosphorylated peptide. The invention also provides a method for crystallizing the protein construct to provide a GSK3 crystal sufficient for structure determination; and a method for using the GSK3 construct's three-dimensional structure for the identification of possible therapeutic compds. in the treatment of various disease conditions mediated by GSK3 activity.

L9 ANSWER 35 OF 54 USPATFULL on STN

ACCESSION NUMBER: 2003:181499 USPATFULL  
TITLE: Inhibitors of GSK-3 and crystal structures of GSK-3 protein and protein complexes  
INVENTOR(S): Haar, Ernst ter, Roslindale, MA, UNITED STATES  
Swenson, Lovorka, Belmont, MA, UNITED STATES  
Green, Jeremy, Burlington, MA, UNITED STATES  
Arnost, Michael J., North Andover, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003125332	A1	20030703
APPLICATION INFO.:	US 2002-135255	A1	20020429 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-287366P	20010430 (60)
	US 2002-361899P	20020227 (60)
	US 2001-297094P	20010608 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	James F. Haley, Jr., FISH & NEAVE, 1251 Avenue of the Americas, New York, NY, 10020-1104	
NUMBER OF CLAIMS:	66	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	604 Drawing Page(s)	
LINE COUNT:	4178	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to inhibitors of GSK-3 and methods for producing these inhibitors. The invention also provides pharmaceutical compositions comprising the inhibitors and methods of utilizing those compositions in the treatment and prevention of various disorders, such as diabetes and Alzheimer's disease. In addition, the invention relates to molecules or molecular complexes which comprise binding pockets of GSK-3 $\beta$  or its homologues. The invention relates to a computer comprising a data storage medium encoded with the structure coordinates of such binding pockets. The invention also relates to methods of using the structure coordinates to solve the structure of homologous proteins or protein complexes. The invention relates to methods of using the structure coordinates to screen for and design compounds that bind to GSK-3 $\beta$  protein or homologues thereof. The invention also relates to crystallizable compositions and crystals comprising GSK-3 $\beta$  protein or GSK-3 $\beta$  protein complexes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2002:487726 CAPLUS  
DOCUMENT NUMBER: 137:59515  
TITLE: Crystal structure of human glycogen synthase kinase 3 $\beta$  (GSK-3 $\beta$ ) and GSK-3 $\beta$  complexed with a peptide and application to drug design  
INVENTOR(S): Bax, Benjamin; Brown, Murray; Reith, Alastair  
PATENT ASSIGNEE(S): Smithkline Beecham P.L.C., UK  
SOURCE: PCT Int. Appl., 327 pp.

DOCUMENT TYPE:                   CODEN: PIXXD2  
 LANGUAGE:                       Patent  
 FAMILY ACC. NUM. COUNT:       English  
 PATENT INFORMATION:           1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050254	A2	20020627	WO 2001-GB5632	20011218
WO 2002050254	A3	20030123		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002022274	A5	20020701	AU 2002-22274	20011218
PRIORITY APPLN. INFO.:			GB 2000-30846	A 20001218
			GB 2001-19796	A 20010814
			WO 2001-GB5632	W 20011218

AB A human glycogen synthase kinase 3  
 (GSK-3), particularly the beta form (GSK-  
 beta.) is disclosed in crystalline form. Atomic coordinates and  
 their use in the design or selection of inhibitors and activators of GSK-3  
 is disclosed. A complex of GSK-3 $\beta$  with FRAT-tide is also disclosed.  
 Machine readable data carriers and computer systems together with methods  
 for rational drug design are also provided.

L9 ANSWER 44 OF 54 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:240954 CAPLUS

DOCUMENT NUMBER: 136:275370

TITLE: Crystallization and crystal  
 structure of human glycogen  
 synthase kinase 3 $\beta$   
 protein and methods of use thereof

INVENTOR(S): Bussiere, Dirksen E.; He, Min; Le, Vincent P.; Jansen,  
 Johanna M.; Chin, S. Michael; Martin, Eric

PATENT ASSIGNEE(S): Chiron Corporation, USA

SOURCE: PCT Int. Appl., 200 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024893	A2	20020328	WO 2001-US29549	20010919
WO 2002024893	A3	20030904		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001092906	A5	20020402	AU 2001-92906	20010919
EP 1360286	A2	20031112	EP 2001-973313	20010919
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004533597	T2	20041104	JP 2002-529488	20010919
CN 1748026	A	20060315	CN 2001-815782	20010919
US 2004101907	A1	20040527	US 2003-450422	20031211
PRIORITY APPLN. INFO.:			US 2000-233538P	P 20000919
			WO 2001-US29549	W 20010919

AB The invention provides the three-dimensional structure of a construct of human glycogen synthase kinase 3 (GSK3); crystals of a construct of human glycogen synthase kinase 3- $\beta$  (GSK3- $\beta$ ); containing the protein's catalytic kinase domain; a domain for crystallizing the protein construct to provide a GSK3 crystal sufficient for structure determination; and a method for using the GSK3 construct's three dimensional structure for the identification of possible therapeutic compds. in the treatment of various disease conditions mediated by GSK3 activity.

L9 ANSWER 49 OF 54 PROMT COPYRIGHT 2006 Gale Group on STN

ACCESSION NUMBER: 2001:490608 PROMT  
 TITLE: Vertex Researchers Solve 3-D Atomic Structure of GSK3 beta Enzyme, Potential Target for New Diabetes Treatments.  
 SOURCE: PR Newswire, (27 Jun 2001) pp. 1150.  
 PUBLISHER: PR Newswire Association, Inc.  
 DOCUMENT TYPE: Newsletter  
 LANGUAGE: English  
 WORD COUNT: 1122  
 \*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB -- Report in Nature Structural Biology --  
 THIS IS THE FULL TEXT: COPYRIGHT 2001 PR Newswire Association, Inc.

L9 ANSWER 53 OF 54 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 6

ACCESSION NUMBER: 2000:891342 SCISEARCH  
 THE GENUINE ARTICLE: 374FX  
 TITLE: Expression, purification and crystallization of human tau-protein kinase I/ glycogen synthase kinase-3 beta  
 AUTHOR: Aoki M; Iwamoto-Sugai M; Sugiura I; Sasaki C; Hasegawa T; Okumura C; Sugio S; Kohno T; Matsuzaki T (Reprint)  
 CORPORATE SOURCE: Mitsubishi Kasei Inst Life Sci, 11 Minami Ooya, Tokyo 1948511, Japan (Reprint); Mitsubishi Kasei Inst Life Sci, Tokyo 1948511, Japan; Univ Tsukuba, Tsukuba Adv Res Alliance, Tsukuba, Ibaraki 3058572, Japan; Mitsubishi Chem Corp, Yokohama Res Ctr, Aoba Ku, Yokohama, Kanagawa 2278502, Japan  
 COUNTRY OF AUTHOR: Japan  
 SOURCE: ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY, (NOV 2000) Vol. 56, Part 11, pp. 1464-1465.  
 ISSN: 0907-4449.  
 PUBLISHER: MUNKSGAARD INT PUBL LTD, 35 NORRE SOGADE, PO BOX 2148, DK-1016 COPENHAGEN, DENMARK.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 18  
 ENTRY DATE: Entered STN: 2000  
 Last Updated on STN: 2000

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB Human tau-protein kinase I (TPK-I; also known as glycogen synthase kinase-3 beta, GSK-3 beta) is a serine/threonine protein kinase. Full-length TPK-I/GSK-3 beta was expressed in Escherichia coli as a fusion protein with a 6 x His tag at the C-terminus and was crystallized using

the hanging-drop vapour-diffusion method. Prismatic crystals of dimensions 0.4 x 0.2 x 0.1 mm were obtained using 12-15% (w/v) polyethylene glycol 6000 as a precipitant at 278 K. The crystals belong to the orthorhombic space group P2(1)2(1)2(1), with unit-cell parameters a = 82.9, b = 86.1, c = 178.1 Angstrom measured at 100 K, diffract to 2.3 Angstrom resolution and seem to contain two enzyme molecules per asymmetric unit.

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(FILE 'HOME' ENTERED AT 15:01:56 ON 06 JUL 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:02:15 ON 06 JUL 2006  
SEA GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

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4378 FILE BIOSIS  
143 FILE BIOTECHABS  
143 FILE BIOTECHDS  
1285 FILE BIOTECHNO  
277 FILE CABA  
4317 FILE CAPLUS  
5 FILE CEABA-VTB  
794 FILE CIN  
94 FILE CONFSCI  
33 FILE DDFB  
405 FILE DDFU  
3508 FILE DGENE  
249 FILE DISSABS  
33 FILE DRUGB  
1920 FILE DRUGMONOG2  
600 FILE DRUGU  
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3334 FILE EMBASE  
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7 FILE KOSMET  
1191 FILE LIFESCI  
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 526 FILE WPIDS  
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 526 FILE WPINDEX  
 13 FILE IPA  
 5 FILE NAPRALERT  
 1164 FILE NLDB

L1 QUE GSK? OR (GLYCOG? (S) SYNTH? (S) KINAS?)

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FILE 'SCISEARCH, BIOSIS, PROMT, CAPLUS, MEDLINE, EMBASE, USPATFULL, ESBIODBASE, DRUGMONOG2, TOXCENTER' ENTERED AT 15:06:13 ON 06 JUL 2006

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 L3 3685 SEA L2 (S) (HUMA? OR SAPIE?)  
 L4 1732 SEA L3 (S) (BETA?)  
 L5 103 SEA L4 (S) (TRUNC? OR VARIAN?)  
 L6 14 SEA L5 (S) CRYST?  
 L7 14 DUP REM L6 (0 DUPLICATES REMOVED)  
 D TI L7 1-16  
 L8 70 SEA L4(S) CRYST?  
 L9 54 DUP REM L8 (16 DUPLICATES REMOVED)  
 D TI L9 1-54  
 D IBIB ABS L9 32 35 42 44 49 53

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FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 5 July 2006 (20060705/ED)

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FILE COVERS 1978 TO 6 JUL 2006 (20060706/ED)

This file contains CAS Registry Numbers for easy and accurate  
 substance identification.

FILE CAPLUS

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